

	March 1 st – Woodland	March 2 nd – Water	March 3 rd - Wildlife
9 am	<p>Prescribed goat grazing as a tool to manage invasive plants and restore woodlands <i>Matt Davies Assistant Professor in Soil and Plant Community Restoration, CFAES, SENR</i></p>	<p>Wetlands and Water Quality: the ODNR H2Ohio Program <i>Eric Saas, H2Ohio Program Manager, Christina Kuchle, Northwest Region Scenic Rivers Manager</i></p>	<p>Ohio's Owls <i>Joseph Lautenbach, Wildlife Biologist, ODNR Division of Wildlife</i></p>
10:25 am	<p>Silvicultural Aspects of American chestnut and Implications for Species Restoration <i>Sara Fern Fitzsimmons, Director of Restoration, The American Chestnut Foundation and Penn State</i></p>	<p>Ohio's Wetland Regulations <i>Mick Micacchion, Wetland Ecologist and Professional Wetland Scientist, Midwest Biodiversity Institute</i></p>	<p>Native Trees and Shrubs for Wildlife – The Good, The Bad, and The Ugly <i>Marne Titchenell, Extension Wildlife Program Specialist, SENR, CAFES</i> <i>Amy Stone, Lucas County Extension Educator, OSU Extension, CFAES</i></p>
Lunch 11:40 – 12:30			
12:30 pm	<p>Spotting the Spot in Ohio – Spotted Lanternfly Update <i>Amy Stone, Lucas County Extension Educator, OSU Extension, CFAES</i></p>	<p>The USGS Nonindigenous Aquatic Species Database: actionable tools and data for aquatic invasive species (AIS) management <i>Matthew Neilson, U.S. Geological Survey</i></p>	<p>Got worms? That might be a problem! Investigating Impacts of Non-Native Earthworms in Hardwood Forests. <i>Tara Bal, Assistant Professor, Forest Health, College of Forest Resources and Environmental Science Michigan Technological University</i></p>
1:55 pm	<p>Herbicide Do's and Don'ts <i>Mimi Rose, Ohio State University Pesticide Education Program</i></p>	<p>The Great Lakes <i>Phragmites</i> Collaborative: Regional Coordination, Adaptive Management, and New Treatments <i>Kurt Kowalski, U.S. Geological Survey</i></p>	<p>An Updated Report on Ticks and Tick-borne Disease in Ohio <i>Risa Pesapane, Assistant Professor, Ecosystem and Wildlife Health, CFAES and CVM, The Ohio State University</i></p>

March 1st - Woodland

Prescribed Goat Grazing as a Tool to Manage Invasive Plants and Restore Woodlands

Matt Davies Assistant Professor in Soil and Plant Community Restoration, CFAES, SENR

Research is ongoing at Pomerene Forest at Coshocton, Ohio to determine the impact of using goats to manage invasive species. This presentation will look at the opportunity to add this tool to the invasive species management tool box.

Silvicultural Aspects of American Chestnut and Implications for Species Restoration

Sara Fern Fitzsimmons, Director of Restoration, TACF and Penn State

The American chestnut (*Castanea dentata*) was once found throughout the forests of the Appalachian Mountains, and was a primary component of Pennsylvania's forests. In the 1800s, plant importation brought with it a devastating fungal disease that all but eliminated the American chestnut from its original range. Researchers at Penn State have been on the forefront to restore this species, exploring the many facets required for reintroduction of disease-resistant populations.

The Appalachian forest ecosystem is vastly different now than it was over 100 years ago when American chestnut was often the dominant species of a stand. Invasive and exotic vegetation, introduced diseases and pests, ravenous and excessive deer herds, overdevelopment, and threats of climate change face a species made effectively dormant by introduced disease.

Given all those hurdles, one might think working toward chestnut restoration is simply a setup for defeat. Luckily, current research suggests populations of American chestnut could be self-sustainable, despite changing pressures, within the next 50 – 100 years.

Spotting the Spot in Ohio – Spotted Lanternfly Update

Amy Stone, Ohio State University Extension

The SLF has been in the news, and will likely to continue to be a media star in 2021 in Ohio and northeastern US. Learn the latest details about this invasive insect and what you can do and how to help spread the word.

Herbicide Do's and Don'ts

Mimi Rose, Ohio State University Pesticide Education Program

Herbicides are useful tools in the IPM toolbox.....when you use them correctly. In this presentation we will discuss common mistakes applicators make and how to fix them.

March 2nd - Water

Wetlands and Water Quality: the ODNR H2Ohio Program

Eric Saas, H2Ohio Program Manager

Christina Kuchle, Northwest Region Scenic Rivers Manager

ODNR's H2Ohio team will provide "a look under the hood" of their extensive and ongoing natural-infrastructure based approach to improving water quality. Focused on maximizing the long-term ecosystem services provided by wetlands, this initiative now includes over two dozen active projects—several of which will be discussed in detail during this presentation.

Ohio's Wetland Regulations

Mick Micacchion, Wetland Ecologist and Professional Wetland Scientist, Midwest Biodiversity Institute

The rules, laws, and other regulatory provisions that affect the permitting of impacts to wetlands in Ohio will be explained in detail. This will include background information on the important court cases and rule makings that have resulted in specific changes to wetland regulations over the years, both on state and national levels. The talk will be focused on the rules and laws that land managers should understand to perform their jobs effectively. Many of the regulations are complex and time will be allotted for questions at the end of the presentation.

The USGS Nonindigenous Aquatic Species Database: actionable tools and data for aquatic invasive species (AIS) management

Matthew Neilson, U.S. Geological Survey

The U.S. Geological Survey's Nonindigenous Aquatic Species (NAS) Database is the primary source for spatially referenced nonnative aquatic species data nationwide, tracking the distribution of >1,330 freshwater and marine taxa in the contiguous U.S., Alaska, Hawaii, and island territories. This presentation will give an introduction to the NAS Database, an overview of AIS in Ohio, and highlight the NAS program's recent efforts on building actionable tools and maps for managers and stakeholders to understand and manage species introductions.

The Great Lakes *Phragmites* Collaborative: Regional Coordination, Adaptive Management, and New Treatments

Kurt Kowalski, U.S. Geological Survey

Managing the invasive non-native *Phragmites australis* (common reed) is a high priority for resource management agencies throughout the nation. The U.S. Geological Survey, Great Lakes Commission, and many other partners are developing online resources, an adaptive management program, and innovative new treatments to support managers wrestling with this aggressive species.

March 3rd - Wildlife

Ohio's Owls

Joseph Lautenbach, Wildlife Biologist, ODNR Division of Wildlife

Owls are appreciated by many, but they are often challenging to find. This talk will discuss all of Ohio's resident owl species, as well as some of the species that overwinter in the state. Lastly, we will discuss management that can be undertaken to enhance properties for some of these enigmatic species.

Native Trees and Shrubs for Wildlife – The Good, The Bad, and The Ugly

Marne Titchenell, Extension Wildlife Program Specialist, SENR, CAFES

Amy Stone, Lucas County Extension Educator, OSU Extension, CFAES

The negative impacts of non-native invasive plants (NNIP) in both rural and urban forests are numerous, including those on native wildlife species. During this discussion, we will look at some examples of how NNIP make life harder for wildlife. In addition, we will discuss wildlife-friendly native trees and shrubs to incorporate into plantings/areas recovering from NNIP removal.

Got worms? That might be a problem! Investigating Impacts of Non-Native Earthworms in Hardwood Forests.

*Tara Bal, Assistant Professor, Forest Health, College of Forest Resources and Environmental Science
Michigan Technological University*

Did you know that in areas glaciated over 10,000 year ago, earthworms were wiped out, so most of the species we are familiar with today are exotic, invasive ones? Learn about different types of earthworm groups and the impacts of these ecosystem engineers on forest soils, nutrients, plants, microorganisms, and wildlife communities. Awareness is important in forest management considerations.

An Updated Report on Ticks and Tick-borne Disease in Ohio

Risa Pesapane, Assistant Professor, Ecosystem and Wildlife Health, CFAES and CVM, The Ohio State University

In this talk I will summarize our current understanding of the distribution of tick species and their associated tick-borne pathogens in Ohio, including the introduction of two new ticks in the state. This information will be presented in the context of promoting tick awareness and prevention for those who work in outdoor professions or those who steward outdoor recreation.